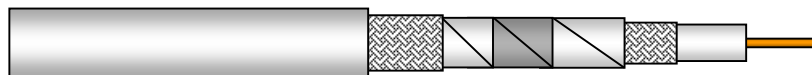




S-02Y12YC(mS)C6Y 0.45/2.0

Coaxial SDH-Switch Board Cables acc. to TS 0031/96 part 4



Application

Standards

acc. to TS 0031/96 part 4

Flame resistance

Construction

Inner conductor	copper wire, silvered, diameter 0.45 mm
Insulation	Foam-PE 1.90 mm
Wrapping	PET-foil
Outer conductor	copper braid, silvered
Wrapping	PET-foil
Magn. Screen	Mu-metal-tape, highly permeable
Wrapping	PET-foil
Static screen	copper braid, silvered
Sheath	FEP 3.8 mm white



S-02Y12YC(mS)C6Y 0.45/2.0

Electrical properties

at 20°C

DC resistance	Inner conductor	$\leq 115 \text{ } \Omega/\text{km}$
Mutual capacitance		58 nF/km
Characteristic impedance		$75 \text{ } \Omega \pm 3\%$
Screening factor	at 30-1000 MHz	$\geq 100 \text{ dB}$
Test voltage	Inner/Outer conductor	0.8 kV _{rms}
Operating voltage		0.3 kV _{rms}
Insulation resistance		$\geq 10 \text{ G}\Omega \cdot \text{km}$

Electrical data

at 20°C

Attenuation (dB/100m)		Return loss (dB)	
Frequency (MHz)		Frequency (MHz)	
1	≤ 1.8	30-1000	≥ 22
10	≤ 5.8		
30	≤ 9.8		
100	≤ 19.5		
300	≤ 36.0		
600	≤ 52.6		
1000	≤ 70.0		

Technical data

Product code	Designation	Type	Outer diameter	Weight	Standard delivery length	Drum size	Gross weight	Copper content	Tensile force
			mm	kg/km	m	KTG/ring	kg		N
CS2703500	S-2Y12YC (mS)C6Y	1 x 0.45/2.0	3.8	36	1000	051	40	15.7	75
					250	Ring	9.5		